

Customer No. 28880

Confirmation No. 9823

PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

Complete if Known

Application Number	10/075,954
Filing Date	February 13, 2002
First Named Inventor	Charles Andrianjara
Examiner Name	Truong, Tamthom Ngo
Art Unit	1624
Attorney Docket No.	A0000476-01-CFP

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number: 23-0455
Deposit Account Name: Warner-Lambert Company LLC

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$) 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims - 20** = X = 0.00
Independent Claims - 3** = X = 0.00
Multiple Dependent =

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	86	2201	43	Independent claims in excess of 3	
1203	290	2203	145	Multiple dependent claim, if not paid	
1204	86	2204	43	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Supplemental Submission of Information Disclosure Stmt	180.00
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 180.00

SUBMITTED BY

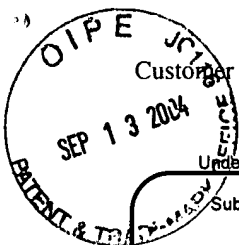
(Complete (if applicable))

Name (Print/Type)	Claude F. Purchase, Jr.	Registration No. (Attorney/Agent)	47,871	Telephone	734-622-1692
Signature	Claude F. Purchase, Jr.	Date	September 10, 2004		

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/075,954
Filing Date	February 13, 2002
First Named Inventor	Charles Andrianjara
Art Unit	1624
Examiner Name	Truong, Tamthom Ngo
Attorney Docket Number	A0000476-01-CFP

Sheet 1 of 6

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,655,679	04-11-1972	Shen, et al.	
		US- 5,521,181	05-28-1996	Meyer, et al.	
		US- 2003/0004172 A1	01-02-2003	Harter, et al.	
		US- 2003/0078276 A1	04-24-2003	Andrianjara, et al.	
		US- 2002/0151558 A1	10-17-2002	Andrianjara, et al.	
		US- 6,656,932 B2	12-02-2003	Picard, et al.	
		US- 2002/0156069 A1	10-24-2002	Picard, et al.	
		US- 2003/0144274 A1	07-31-2003	Bunker, et al.	
		US- 2003/0130278 A1	07-10-2003	Gaudilliere, et al.	
		US- 2003/0216402 A1	11-20-2003	Gaudilliere, et al.	
		US- 2003/0220355 A1	11-27-2003	Gaudilliere, et al.	
		US- 2004/0006077 A1	01-08-2004	Gaudilliere, et al.	
		US- 2004/0063673 A1	04-01-2004	Johnson	
		US- 2004/0044000 A1	03-04-2004	Bunker, et al.	
		US- 2004/0038961 A1	02-26-2004	Bunker, et al.	
		US- 2004/0038959 A1	02-26-2004	Bunker, et al.	
		US- 2004/0043985 A1	03-04-2004	Hicks, et al.	
		US- 2004/0034009 A1	02-19-2004	Roark	
		US- 2004/0043986 A1	03-04-2004	Nahra, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		JP1996143568A ✓	06-04-1996	Hiroko, et al.		
		WO 02/064,599 A1 ✓	08-22-2002	Dyer, et al.		
		WO 02/064,598 A1 ✓	08-22-2002	Harter, et al.		
		WO 02/064,080 A2-A3 ✓	08-22-2002	Andrianjara, et al.		
		WO 02/064572 A1 ✓	08-22-2002	Andrianjara, et al.		
		WO 02/064595 A1 ✓	08-22-2002	Andrianjara, et al.		

Examiner
SignatureDate
Considered

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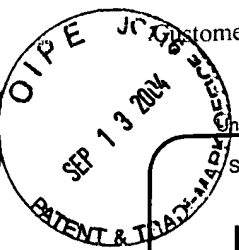
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Substitute for form 1449/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2

of

6

Application Number	10/075,954
Filing Date	February 13, 2002
First Named Inventor	Charles Andrianjara
Art Unit	1624
Examiner Name	Truong, Tamthom Ngo
Attorney Docket Number	A0000476-01-CFP

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		Number-Kind Code ² (if known)			
		US- 2004/0043984 A1	03-04-2004	O'Brien	
		US- 2004/0043983 A1	03-04-2004	Li	
		US- 2004/0038974 A1	02-26-2004	Ortwine	
		US- 10/071,032		Dyer, et al	Filed: 02-08-2002
		US- 10/634,489		Roark	Filed: 08-05-2003
		US- 10/739,261		Bunker et al.	Filed: 12-18-2003
		US- 6,008,243	12-18-1999	Bender, et al.	
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		WO 02/064578 A1	08-22-2002	Picard, et al.		
		WO 03/032999 A1	04-24-2003	Bunker, et al.		
		WO 03/033478 A1	04-24-2003	Gaudilliere, et al.		
		WO 03/076417 A2-A3	09-18-2003	Gaudilliere, et al.		
		WO 04/000322 A1	12-31-2004	Gaudilliere, et al.		
		WO 04/014384 A2	02-19-2004	Johnson		

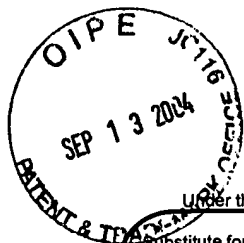
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Sheet	5	of	6	Application Number	10/075,954
				Filing Date	February 13, 2002
				First Named Inventor	Charles Andrianjara
				Art Unit	1624
				Examiner Name	Truong, Tamthom Ngo
				Attorney Docket Number	A0000476-01-CFP

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		NEJJELIJKO KUJUNDZIC AND BERISLAV GLUNCIC, "Synthesis of 8-Methyl-1,2,3,4-tetrahydropyrido-[3,4-d]pyrimidine-2,4-diones", Croatica Chemica Acta, 1991, 64 (4) 599-606	/
		HIROTA, et al., "Novel Synthesis of Pyrido[3,4-d]pyrimidines, Pyrido[2,3-d]-pyrimidines, and Quinazolines via Palladium-Catalyzed Oxidative coupling", Heterocycles, 1994; 37(1):563-570	
		LOVEJOY, et al., "Crystal structures of MMP-1 and -13 reveal the structural basis for selectivity of collagenase inhibitors", Nature Structural Biol., 1999; 6:217-221	
		MOY, et al., High-resolution solution structure of the catalytic fragment of human collagenase-3 (MMP-13) complexed with a hydroxamic acid inhibitor", J. Mol. Biol., 2000; 302, 671-689	
		MITCHELL, et al., "Cloning, Expression, and Type II Collagenolytic Activity of Matrix Metalloproteinase-13 from Human Osteoarthritic Cartilage", J. Clin. Invest., 1996; 97(3):761-768	
		NEUHOLD, et al., "Postnatal expression in hyaline cartilage of constitutively active human collagenase-3 (MMP-13) induces osteoarthritis in mice", J. Clin. Invest., 2001; 107: 35-44	
		DAHLBERG, et al., "Selective Enhancement of Collagenase-Mediated Cleavage of Resident Type II Collagen in Cultured Osteoarthritic Cartilage and Arrest with a Synthetic Inhibitor that Spares Collagenase I (Matrix Metalloproteinase 1)", Arthrit. & Rheum. 2000; 43(3): 673-682	
		BILLINGHURST, et al., "Comparison of the Degradation of Type II Collagen and Proteoglycan in Nasal and Articular Cartilages Induced by Interleukin-1 and the Selective Inhibition of Type II Collagen Cleavage by Collagenase", Arthrit. & Rheum. 2000; 43(3): 664-672	
		BILLINGHURST, et al., "Enhanced Cleavage of Type II Collagen by Collagenases in Osteoarthritic Articular Cartilage", J. Clin. Invest., 1997; 99:1534-1545	
		Office Action from 10/264,764 (PC20536) mailed 6/16/2003.	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		WERNICKE, et al., "Cloning of Collagenase 3 from the Synovial Membrane and Its Expression in Rheumatoid Arthritis and Osteoarthritis", J. Rheum., 1996, 23(4) 590-595	
		REBOUL, et al., The New Collagenase, Collagenase-3, Is Expressed and Synthesized by Human Chondrocytes but not Synoviocytes", J. Clin. Invest. 1996, 97(9), 2011-2019	
		FREEMONT, et al., "In Situ Zymographic Localisation of Type II Collagen Degrading Activity in Osteoarthritic Human Articular Cartilage", Ann. Rheum. Dis., 1999, 58, 357-365	
		SPINALE, et al., "A Matrix Metalloproteinase Induction/Activation System Exists in the Human Left Ventricular Myocardium and is Upregulated in Heart Failure", Circulation, 2000, 102(16) 1944-1949	

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